

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2005/018209

A. CLASSIFICATION OF SUBJECT MATTER
G11B7/0045 S11B19/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal , PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	EP 0 779 621 A (FUJITSU LIMITED) 18 June 1997 (1997-06-18) column 2, line 19 - column 4, line 46 column 33, line 43 - column 35, line 12 column 41, line 11 - column 42, line 41 figures 34-48	1-16
Y	US 2002/141308 A1 (MATSUMOTO KEISHI) 3 October 2002 (2002-10-03) the whole document	1-16
A	US 2003/048713 A1 (SUZUKI HARUYUKI) 13 March 2003 (2003-03-13) paragraph '0016! - paragraph '0028! paragraph '0047! - paragraph '0069! figures 1-5	1-16

D Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

* Special categories of cited documents

- 'A' document defining the general state of the art which is not considered to be of particular relevance
- 'E' earlier document but published on or after the international filing date
- 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- 'O' document referring to an oral disclosure, use, exhibition or other means
- 'P' document published prior to the international filing date but later than the priority date claimed

- 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- 'X' document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- 'Y' document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- '&' document member of the same patent family

Date of the actual completion of the international search

20 December 2005

Date of mailing of the international search report

02/02/2006

Name and mailing address of the ISA

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Authorized officer

Pacholec, D

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons

1. ☐ Claims Nos.-
because they relate to subject matter not required to be searched by this Authority, namely
2. ☒ Claims Nos. 1-16
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos/
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM POT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 1-16

The application does not meet the requirements of Article 6 PCT, because claims 1-16 are not clear. The independent claims 1 and 9 use vague and unclear expressions (which are also used in the description of the application), leaving the reader in doubt as to the meaning of the technical features to which they refer.

The expression "recording velocity" (cl. 1, 1.8 and cl. 9, 1.12) has been understood as the velocity of the disk (linear or angular) set and controlled at the time of starting writing information to the disk (cl. 1.9 and cl. 9, 1.12-13). Next, the following parts of the claims (cl. 1, 1.9-11 and cl. 9, 1.13-15) saying: "when the write once of information is carried out on the optical disk where the write once or rewriting can be carried out..." is totally unclear. It is not understood how can be first suggested writing of the write once information on the write once disk, and then, on the same disk, teaching that write once or rewriting can be carried out.

Therefore the search was performed on the claims in the light of the description (page 18-22 and figures 5,6).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/JP2005/018209

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0779621	A	18-06-1997	CN 1154550 A	16-07-1997
			JP 3631311 B2	23-03-2005
			JP 9167428 A	24-06-1997
			KR 209075 B1	15-07-1999
			US 6026068 A	15-02-2000
US 2002141308	A1	03-10-2002	JP 2002298356 A	11-10-2002
us 2003048713	A1	13-03-2003	JP 2003085759 A	20-03-2003

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